Exhibit 300 (BY2010)

PART ONE	
OVERVIEW	
1. Date of Submission:	2008-09-08
2. Agency:	026
3. Bureau:	00
4. Name of this Capital Asset:	JSC Flight Operations (FO)
5. Unique Project Identifier:	026-00-01-05-01-1405-00

6. What kind of investment will this be in FY2010?
Operations and Maintenance
7. What was the first budget year this investment was submitted to OMB?
FY2003
8. Provide a brief summary and justification for this investment, including a brief description of how this closes in part or in whole an identified agency performance gap.
The Space Shuttle and Space Station programs play a vital role in enabling NASA's vision and mission. This includes advancing human exploration and providing safe access to space in support of human operations in low-earth orbit Flight Operations (FO). FO directly supports NASA's goal of flying missions safely with mission objectives achieved by providing the products, services and facilities used to prepare and support such missions. Mission Operations Directorate (MOD) is the responsible NASA organization for Mission Operations for both the Space Shuttle and Space Station Program. FO, working with MOD, performs the plan, trains and fly tasks described in the Johnson Space Center Functional Statement for MOD.
9. Did the Agency's Executive/Investment Committee approve this request?
yes
9.a. If "yes," what was the date of this approval?
2008-06-19
10. Did the Program/Project Manager review this Exhibit?
yes
11. Program/Project Manager Name:
Mark Ferring
Program/Project Manager Phone:
281.244.0024
Program/Project Manager Email:
mark.j.ferring@nasa.gov
11.a. What is the current FAC-P/PM certification level of the project/program manager?
New Program Manager
11.b. When was the Program/Project Manager Assigned?
2008-01-30
11.c. What date did the Program/Project Manager receive the FACP/PM certification? If the certification has not been issued, what is the anticipated date for certification?
2008-12-30
12. Has the agency developed and/or promoted cost effective, energy-efficient and environmentally sustainable techniques or practices for this project.
yes
12.a. Will this investment include electronic assets (including computers)?
yes

12.b. Is this investment for new construction or major retrofit of a Federal building or facility? (answer applicable to non-IT assets only)	
no	
13. Does this investment directly support one of the PMA initiatives?	
yes	
If yes, select the initiatives that apply:	

Budget Performance Integration

Competitive Sourcing

Expanded E-Government

Financial Performance

Human Capital

13.a. Briefly and specifically describe for each selected how this asset directly supports the identified initiative(s)? (e.g. If E-Gov is selected, is it an approved shared service provider or the managing partner?)	

Human Capital â€" Trust, respect, teamwork, communication, creativity, empowerment. Budget Performance â€" Objectives & goals are measured. Financial Performance - Full Cost processes are monitored daily. E-Government â€" Management conducts E-Government-type strategic reviews of components of the IT architecture to leverage new technologies and other cost-sharing strategies. Competitive Sourcing - Intent is to consolidate and compete Space Shuttle contracted efforts to the extent possible.

14. Does this investment support a program assessed using the Program Assessment Rating Tool (PART)?

yes

14.a. If yes, does this investment address a weakness found during the PART review?

no

14.b. If yes, what is the name of the PARTed program?

10000346 - Space Shuttle

14.c. If yes, what rating did the PART receive?

Adequate

15. Is this investment for information technology?

yes

16. What is the level of the IT Project (per CIO Council's PM Guidance)?

Level 3

17. What project management qualifications does the Project Manager have? (per CIO Council's PM Guidance)

(4) Project manager assigned but qualification status review has not yet started

18. Is this investment identified as high risk on the Q4 - FY 2008 agency high risk report (per OMB memorandum M-05-23)?

no

19. Is this a financial management system?

no

19.a. If yes, does this investment address a FFMIA compliance area?

no

19.a.1. If yes, which compliance area:

Not Applicable

19.a.2. If no, what does it address?

The 2007 NASA Goals supported by Flight Operations include the following: Goal 1: Fly the Shuttle as safely as possible until its retirement, not later than 2010. Goal 2: Complete the International Space Station in a manner consistent with NASAâ€™s International partner commitments and the needs of human exploration.

20. What is the percentage breakout for the total FY2010 funding request for the following? (This should total 100%)

Hardware	9
Software	5

Services	86
Other	0

21. If this project produces information dissemination products for the public, are these products published to the Internet in conformance with OMB Memorandum 05-04 and included in your agency inventory, schedules and priorities?

n/a

22. Contact information of individual responsible for privacy related questions.

Name

Patti Stockman

Phone Number

202-358-4787

Title

Agency Privacy and Records Manager

Email

Patti.Stockman@nasa.gov

23. Are the records produced by this investment appropriately scheduled with the National Archives and Records Administration's approval?

yes

24. Does this investment directly support one of the GAO High Risk Areas?

no

SUMMARY OF SPEND

1. Provide the total estimated life-cycle cost for this investment by completing the following table. All amounts represent budget authority in millions, and are rounded to three decimal places. Federal personnel costs should be included only in the row designated Government FTE Cost, and should be excluded from the amounts shown for Planning, Full Acquisition, and Operation/Maintenance. The total estimated annual cost of the investment is the sum of costs for Planning, Full Acquisition, and Operation/Maintenance. For Federal buildings and facilities, life-cycle costs should include long term energy, environmental, decommissioning, and/or restoration costs. The costs associated with the entire life-cycle of the investment should be included in this report.

All amounts represent Budget Authority

(Estimates for BY+1 and beyond are for planning purposes only and do not represent budget decisions)

	PY-1 & Earlier	PY	CY	BY
	-2007	2008	2009	2010
Planning Budgetary Resources	0	0	0	0
Acquisition Budgetary Resources	0	0	0	0
Maintenance Budgetary Resources	173.877	83.42156	80.566222	72.822674
Government FTE Cost	6.156	2.96274	3.063478	3.167626
# of FTEs	48	22	22	22

Note: For the cross-agency investments, this table should include all funding (both managing partner and partner agencies).

Government FTE Costs should not be included as part of the TOTAL represented.

2. Will this project require the agency to hire additional FTE's?

no

2.a. If "yes," how many and in what year?

N/A

3. If the summary of spending has changed from the FY2009 President's budget request, briefly explain those changes.

No change

<div align="center">

PERFORMANCE

</div>

In order to successfully address this area of the exhibit 300, performance goals must be provided for the agency and be linked to the annual performance plan. The investment must discuss the agency's mission and strategic goals, and performance measures (indicators) must be provided. These goals need to map to the gap in the agency's strategic goals and objectives this investment is designed to fill. They are the internal and external performance benefits this investment is expected to deliver to the agency (e.g., improve efficiency by 60 percent, increase citizen participation by 300 percent a year to achieve an overall citizen participation rate of 75 percent by FY 2xxx, etc.). The goals must be clearly measurable investment outcomes, and if applicable, investment outputs. They do not include the completion date of the module, milestones, or investment, or general goals, such as, significant, better, improved that do not have a quantitative measure.

Agencies must use the following table to report performance goals and measures for the major investment and use the Federal Enterprise Architecture (FEA) Performance Reference Model (PRM). Map all Measurement Indicators to the corresponding Measurement Area and Measurement Grouping identified in the PRM. There should be at least one Measurement Indicator for each of the four different Measurement Areas (for each fiscal year). The PRM is available at www.egov.gov. The table can be extended to include performance measures for years beyond the next President's Budget.

	Fiscal Year	Strategic Goal Supported	Measurement Area	Measurement Grouping	Measurement Indicator	Baseline	Planned Improvement to the Baseline	Actual Results
1	2007	Goal 1: Fly the Shuttle as safely as possible until its retirement, not later than 2010.	Mission and Business Results	Space Operations	Flight Operations System Availability for the Shuttle Mission Simulator (SMS), Space Station Training Facility (SSTF), and Software Production Facility (SPF) with no impact to safety, mission success or major program schedule milestones.	99.428%	Maintain 98% Availability	99.395%
2	2007	Goal 1: Fly the Shuttle as safely as possible until its retirement, not later than 2010.	Customer Results	Service Efficiency	Software Production Facility Systems Availability with no impact to safety, mission success or major program schedule milestones.	99.999%	Maintain 98.5% Availability	99.998%
3	2007	Goal 1: Fly the Shuttle as safely as possible until its retirement, not later than 2010.	Technology	Service Availability	Shuttle Mission Simulation Systems Availability with no impact to safety, mission success or major program schedule milestones.	99.543%	Maintain 97% Availability	99.395%
4	2007	Goal 1: Fly the Shuttle as safely as possible until its retirement, not later than 2010.	Processes and Activities	Errors	Mission Control Center Error Free Deliveries measures error free deliveries for Mission Control Center products that could impact system reliability & performance	100%	Maintain 100% error free	100.00%

					and safety (MCC Quality Metric).			
5	2007	Goal 2: Complete the International Space Station in a manner consistent with NASA's International Partner commitments and the needs of human Exploration.	Processes and Activities	Errors	Errors Number of open A Reports (ARs) against SSTF training s/w. The threshold for the expected number of open S/W ARs is 445. This is based on industry stds for the number of s/w errors as a function of the number of Source Lines Of Code	789	Maintain Threshold of 445, which requires an Reduction in software errors of 344.	689
6	2008	Goal 1: Fly the Shuttle as safely as possible until its retirement, not later than 2010.	Mission and Business Results	Space Operations	Flight Operations System Availability for the Shuttle Mission Simulator (SMS), Space Station Training Facility (SSTF), and Software Production Facility (SPF) with no impact to safety, mission success or major program schedule milestones	99.482	Maintain 98.5% Availability	TBD
7	2008	Goal 1: Fly the Shuttle as safely as possible until its retirement, not later than 2010.	Customer Results	Service Efficiency	Software Production Facility Systems Availability with no impact to safety, mission success or major program schedule milestones.	99.999	Maintain 98.5% Availability	TBD
8	2008	Goal 1: Fly the Shuttle as safely as possible until its retirement, not later than 2010.	Technology	Service Availability	Shuttle Mission Simulation Systems Availability with no impact to safety, mission success or major program schedule milestones.	99.543%	Maintain 97% Availability	TBD
9	2009	Goal 1: Fly the Shuttle as safely as possible until its retirement, not later than 2010.	Processes and Activities	Errors	Mission Control Center Error Free Deliveries measures error free deliveries for Mission Control Center products that could impact system reliability & performance and safety (MCC Quality Metric).	100%	Maintain 100% error free	TBD

10	2009	Goal 2: Complete the International Space Station in a manner consistent with NASA's International Partner commitments and the needs of human Exploration.	Processes and Activities	Errors	Errors Number of open A Reports (ARs) against SSTF training s/w. The threshold for the expected number of open S/W ARs is 445. This is based on industry standards for the number of s/w errors as a function of the number of Source Lines Of Code.	789	Maintain Threshold of 445, which requires an Reduction in software errors of 344.	TBD
11	2009	Goal 1: Fly the Shuttle as safely as possible until its retirement, not later than 2010.	Mission and Business Results	Space Operations	Flight Operations System Availability for the Shuttle Mission Simulator (SMS), Space Station Training Facility (SSTF), and Software Production Facility (SPF) with no impact to safety, mission success or major program schedule milestones.	99.79%	Maintain 98% Availability	TBD
12	2009	Goal 1: Fly the Shuttle as safely as possible until its retirement, not later than 2010.	Customer Results	Service Efficiency	Software Production Facility Systems Availability with no impact to safety, mission success or major program schedule milestones.	99.94%	Maintain 98.5% Availabilty	TBD
13	2010	Goal 1: Fly the Shuttle as safely as possible until its retirement, not later than 2010.	Technology	Service Availability	Shuttle Mission Simulation Systems Availability with no impact to safety, mission success or major program schedule milestones.	99.65%	Maintain 97% Availability	TBD
14	2010	Goal 1: Fly the Shuttle as safely as possible until its retirement, not later than 2010.	Processes and Activities	Errors	Mission Control Center Error Free Deliveries measures error free deliveries for Mission Control Center products that could impact system reliability & performance and safety (MCC Quality Metric).	100%	Maintain 100% error free	TBD
15	2010	Goal 2: Complete the International	Processes and Activities	Errors	Errors Number of open A Reports (ARs) against	789	Maintain Threshold of 445, which	TBD

		Space Station in a manner consistent with NASA's International Partner commitments and the needs of human Exploration.			SSTF training s/w. The threshold for the expected number of open S/W ARs is 445. This is based on industry standards for the number of s/w errors as a function of the number of Source Lines Of Code.		requires an Reduction in software errors of 344.	
16	2010	Goal 1: Fly the Shuttle as safely as possible until its retirement, not later than 2010.	Mission and Business Results	Space Operations	Flight Operations System Availability for the Shuttle Mission Simulator (SMS), Space Station Training Facility (SSTF), and Software Production Facility (SPF) with no impact to safety, mission success or major program schedule milestones.	99.79%	Maintain 98% Availability	TBD
17	2010	Goal 1: Fly the Shuttle as safely as possible until its retirement, not later than 2010.	Customer Results	Service Efficiency	Software Production Facility Systems Availability with no impact to safety, mission success or major program schedule milestones.	99.94%	Maintain 98.5% Availability	TBD
18	2010	Goal 1: Fly the Shuttle as safely as possible until its retirement, not later than 2010.	Technology	Service Availability	Shuttle Mission Simulation Systems Availability with no impact to safety, mission success or major program schedule milestones.	99.65%	Maintain 97% Availability	TBD
19	2010	Goal 1: Fly the Shuttle as safely as possible until its retirement, not later than 2010.	Processes and Activities	Errors	Mission Control Center Error Free Deliveries measures error free deliveries for Mission Control Center products that could impact system reliability & performance and safety (MCC Quality Metric).	100%	Maintain 100% error free	TBD
20	2010	Goal 2: Complete the International Space Station in a manner consistent with	Processes and Activities	Errors	Errors Number of open A Reports (ARs) against SSTF training s/w. The threshold for the expected	789	Maintain Threshold of 445, which requires an Reduction in software errors	TBD

| | | NASA's International Partner commitments and the needs of human Exploration. | | | number of open S/W ARs is 445. This is based on industry standards for the number of s/w errors as a function of the number of Source Lines Of Code. | | of 344. | |

EA

In order to successfully address this area of the business case and capital asset plan you must ensure the investment is included in the agency's EA and Capital Planning and Investment Control (CPIC) process, and is mapped to and supports the FEA. You must also ensure the business case demonstrates the relationship between the investment and the business, performance, data, services, application, and technology layers of the agency's EA.

1. Is this investment included in your agency's target enterprise architecture?

yes

2. Is this investment included in the agency's EA Transition Strategy?

yes

2.a. If yes, provide the investment name as identified in the Transition Strategy provided in the agency's most recent annual EA Assessment.

JSC Flight Operations (FO)

3. Is this investment identified in a completed (contains a target architecture) and approved segment architecture?

yes

3.a. If yes, provide the six digit code corresponding to the agency segment architecture. The segment architecture codes are maintained by the agency Chief Architect.

463-000

4. Identify the service components funded by this major IT investment (e.g., knowledge management, content management, customer relationship management, etc.). Provide this information in the format of the following table. For detailed guidance regarding components, please refer to http://www.whitehouse.gov/omb/egov/.

Component: Use existing SRM Components or identify as NEW. A NEW component is one not already identified as a service component in the FEA SRM.

Reused Name and UPI: A reused component is one being funded by another investment, but being used by this investment. Rather than answer yes or no, identify the reused service component funded by the other investment and identify the other investment using the Unique Project Identifier (UPI) code from the OMB Ex 300 or Ex 53 submission.

Internal or External Reuse?: Internal reuse is within an agency. For example, one agency within a department is reusing a service component provided by another agency within the same department. External reuse is one agency within a department reusing a service component provided by another agency in another department. A good example of this is an E-Gov initiative service being reused by multiple organizations across the federal government.

Funding Percentage: Please provide the percentage of the BY requested funding amount used for each service component listed in the table. If external, provide the funding level transferred to another agency to pay for the service.

	Agency Component Name	Agency Component Description	Service Type	Component	Reused Component Name	Reused UPI	Internal or External Reuse?	Funding %
1	Business Management Services	Configuration Management	Management of Processes	Configuration Management			No Reuse	10
2	Digital Asset Services	Information Sharing	Knowledge Management	Information Sharing			No Reuse	10
3	Business Analytical Services	Modeling	Knowledge Discovery	Modeling			No Reuse	21

4	Back Office Services	Data Warehouse	Data Management	Data Warehouse		No Reuse	8
5	Back Office Services	Formal, independent testing functions are utilized to validate all changes and deliveries to meet FO requirements. The validation of application or system capabilities and requirements is accomplished with the use of several Unix/Windows/ZOS COTS Software platforms and minimal custom software on development and operational servers, workstations, and SPF mainframe as appropriate to the architecture of each system.	Development and Integration	Instrumentation and Testing		No Reuse	20
6	Back Office Services	Software Development	Development and Integration	Software Development		No Reuse	16
7	Support Services	Access Control	Security Management	Access Control		No Reuse	5
8	Support Services	System Resource Monitoring	Systems Management	System Resource Monitoring		No Reuse	10

5. To demonstrate how this major IT investment aligns with the FEA Technical Reference Model (TRM), please list the Service Areas, Categories, Standards, and Service Specifications supporting this IT investment.

FEA SRM Component: Service Components identified in the previous question should be entered in this column. Please enter multiple rows for FEA SRM Components supported by multiple TRM Service Specifications.

Service Specification: In the Service Specification field, Agencies should provide information on the specified technical standard or vendor product mapped to the FEA TRM Service Standard, including model or version numbers, as appropriate.

	SRM Component	Service Area	Service Category	Service Standard	Service Specification (i.e., vendor and product name)
1	Information Sharing	Service Access and Delivery	Access Channels	Web Browser	Microsoft Internet Explorer and Netscape Communicator
2	Information Sharing	Service Access and Delivery	Access Channels	Collaboration / Communications	Microsoft Outlook, Microsoft Exchange
3	Information Sharing	Service Access and Delivery	Access Channels	Other Electronic Channels	HTTP Protocol (URL)
4	Information Sharing	Service Access and Delivery	Delivery Channels	Internet	Microsoft Outlook, Microsoft Exchange
5	Information Sharing	Service Access and Delivery	Delivery Channels	Extranet	Microsoft Outlook, Microsoft Exchange
6	Information Sharing	Service Access and Delivery	Delivery Channels	Intranet	Microsoft Outlook, Microsoft Exchange
7	Information Sharing	Service Access and Delivery	Delivery Channels	Virtual Private Network (VPN)	Checkpoint VPN Software and Secure Remote
8	Access Control	Service Access and Delivery	Delivery Channels	Virtual Private Network (VPN)	Checkpoint VPN Software and Secure Remote

9	Information Sharing	Service Access and Delivery	Service Requirements	Legislative / Compliance	Section 508, Web Content Accessibility, Security, Privacy
10	Configuration Management	Service Access and Delivery	Service Requirements	Hosting	USA Information Management Organization, USA CMSII Custom Application, & CVS Concurrent Versions System (Shareware)
11	Data Warehouse	Service Access and Delivery	Service Requirements	Hosting	USA Information Management, Peoplesoft, and Documentum
12	Configuration Management	Service Access and Delivery	Service Transport	Supporting Network Services	USA Information Management
13	Information Sharing	Service Access and Delivery	Service Transport	Service Transport	USA Information Management, TCPIP Transport Control Protocol Internet Protocol, HTTP, and FTP
14	Modeling	Service Platform and Infrastructure	Support Platforms	Dependent Platform	Ada Core Technologies ADA
15	Software Development	Service Platform and Infrastructure	Support Platforms	Dependent Platform	Ada Core Technologies ADA
16	Information Sharing	Service Platform and Infrastructure	Support Platforms	Dependent Platform	Ada Core Technologies ADA
17	Configuration Management	Service Platform and Infrastructure	Delivery Servers	Application Servers	Compaq and StoreAnywhere Single Board Computers
18	Data Warehouse	Service Platform and Infrastructure	Delivery Servers	Application Servers	Hewlett Packard
19	Information Sharing	Service Platform and Infrastructure	Delivery Servers	Web Servers	Hewlett Packard, Compaq, (Internet Information Servers)
20	Data Warehouse	Service Platform and Infrastructure	Delivery Servers	Web Servers	Hewlett Packard (Internet Information Server)
21	Information Sharing	Service Platform and Infrastructure	Delivery Servers	Portal Servers	Compaq (USA Information Management)
22	Information Sharing	Service Platform and Infrastructure	Delivery Servers	Media Servers	Compaq (USA Information Management)
23	Software Development	Service Platform and Infrastructure	Software Engineering	Integrated Development Environment	Ada Core Technologies ADA
24	Configuration Management	Service Platform and Infrastructure	Software Engineering	Software Configuration Management	CVS (Concurrent Versions System) Shareware
25	Software Development	Service Platform and Infrastructure	Software Engineering	Software Configuration Management	CVS (Concurrent Versions System) Shareware
26	Software Development	Service Platform and Infrastructure	Software Engineering	Test Management	CVS (Concurrent Versions System) Shareware
27	System Resource	Service Platform and	Software Engineering	Test Management	USA Information Management Performance Profiling, Security, & Access Control

	Monitoring	Infrastructure		
28	Software Development	Service Platform and Infrastructure	Software Engineering	Modeling	Ada Core Technologies ADA
29	Data Warehouse	Service Platform and Infrastructure	Database / Storage	Database	Peoplesoft, Oracle, Documentum
30	Access Control	Service Platform and Infrastructure	Database / Storage	Database	Peoplesoft, Oracle, Documentum
31	Data Warehouse	Service Platform and Infrastructure	Database / Storage	Storage	Storage Technology SAN (Storage Area Network)
32	Information Sharing	Service Platform and Infrastructure	Hardware / Infrastructure	Servers / Computers	Compaq, Dell, & StoreAnywhere Single Board Computers
33	Information Sharing	Service Platform and Infrastructure	Hardware / Infrastructure	Embedded Technology Devices	RAM, RAID, Dell, Compaq, & StoreAnywhere Single Board Computers
34	Information Sharing	Service Platform and Infrastructure	Hardware / Infrastructure	Peripherals	Lanier Printers/ScannerÂ¬s (Multi-Function Devices), Hewlett Packard Printers, Xerox 4900â€™s, & QMS PS2000
35	Information Sharing	Service Platform and Infrastructure	Hardware / Infrastructure	Wide Area Network (WAN)	Cisco Routers
36	Information Sharing	Service Platform and Infrastructure	Hardware / Infrastructure	Local Area Network (LAN)	Ethernet
37	Information Sharing	Service Platform and Infrastructure	Hardware / Infrastructure	Network Devices / Standards	Cisco Routers, Dell Firewall Workstations, Dell Network Interface Cards, 3COM Switches, Hewlett Packard Antasa Advance Stack 2000 Switches Network Peripherals
38	Access Control	Service Platform and Infrastructure	Delivery Servers	Application Servers	Compaq, Hewlett Packard, & StoreAnywhere Single Board Computers
39	Information Sharing	Component Framework	User Presentation / Interface	Static Display	HTML
40	Software Development	Component Framework	Business Logic	Dependent Platform	All
41	Software Development	Component Framework	Business Logic	Independent Platform	Linux and Kinesix SAMMI
42	Data Warehouse	Service Interface and Integration	Interoperability	Data Transformation	Peoplesoft, Hyperion Essbase, & Microsoft Access
43	Information Sharing	Service Interface and Integration	Integration	Middleware	Oracle SQL
44	Software Development	Service Interface and Integration	Interoperability	Data Format / Classification	XML-Extensible Markup Language, & Oracle

6. Will the application leverage existing components and/or applications across the Government (i.e., FirstGov, Pay.Gov, etc)?

no

PART THREE

RISK
You should perform a risk assessment during the early planning and initial concept phase of the investment's life-cycle, develop a risk-adjusted life-cycle cost estimate and a plan to eliminate, mitigate or manage risk, and be actively managing risk throughout the investment's life-cycle.
Answer the following questions to describe how you are managing investment risks.
1. Does the investment have a Risk Management Plan?
yes
1.a. If yes, what is the date of the plan?
2007-01-08
1.b. Has the Risk Management Plan been significantly changed since last year's submission to OMB?
no
2. If there is currently no plan, will a plan be developed?
no
2.b. If no, what is the strategy for managing the risks?
A Risk Management Plan will be available prior to the September 8, 2008 submission to OMB.

COST & SCHEDULE
1. Was operational analysis conducted?
yes
1.a. If yes, provide the date the analysis was completed.
2008-03-08
What were the results of your operational analysis?
USA conducts E-Gov type strategic review of components of the IT architecture to leverage new technologies and other sharing strategies in an effort to reduce overall operational costs of these systems and due to the review, consolidation of hardware & software maintenance contracts reduced the number of contractors from over 300 to less than 100. Cost savings not recognized since FY07 was the first year of consolidation. An Operational Analysis is not performed at discrete milestones within the lifecycle of the Space Shuttle Program and its support contract SPOC. Continuous operational assessments are performed on capital assets to determine their performance and effectiveness in meeting critical mission operations objectives. A Performance Measurement System is used to track and monitor monthly key metrics to evaluate the effectiveness, efficiency, productivity, availability, reliability, security, etc of capital assets. Operations and maintenance costs associated with these capital assets are reviewed monthly in conjunction with the metrics to identify any early warning indicators that may impact lifecycle costs and performance goals. The SPOC Performance Measurement System (PMS) ties together work content, cost, and schedule into logical units of work. It is organized to support the United Space Alliance (USA) Associate Program Manager (APM) and NASA Technical Manager's Representative (TMR) management structures. The metrics contained within the PMS system are updated monthly and made available to the TMRs electronically and in a monthly hardcopy report including a summary. The NASA TMRs formally review the metrics in technical and business management forums on a monthly basis. TMRs are responsible for reviewing the accuracy of the metrics reported as well as monitoring the progress of any corrective actions necessary. NASA validates the PMS system using a surveillance plan that assures overall quality of the system. The criteria for validation were developed to comply with NPD (NASA Policy Directive) 9501.e, with modifications reflecting the deletion of earned value. TMRs use a NASA-developed checklist to ensure that the PMS provides information at the appropriate level and that selected performance metrics are representative of program health. For all PMS elements, reviews of the monthly reports for adequacy and compliance with agreed-to formats and structure are accomplished internally. Comments are forwarded through business management.